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(19)

(11) Publication number: **200**

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PATENT ABSTRACTS OF JAPAN(21) Application number: **2000359491**(51) Intl. Cl.: **B23Q 16/10**(22) Application date: **27.11.00**

(30) Priority: (43) Date of application publication: 04.06.02 (84) Designated contracting states:	(71) Applicant: MORI SEIKI CO LTD (72) Inventor: WATANABE MICHIO NAKAI MASATERU OKUMA MASAHIRO (74) Representative:
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**(54) ROTATION INDEXING
DEVICE FOR MACHINE
TOOL**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a rotation indexing device for a machine tool capable of securing the supporting rigidity of a rotation-side coupling without causing problems on wear due to sliding resistance and on an increasing the number of part items.

SOLUTION: The rotation indexing device 10 comprises the rotation-side coupling 21 fixed to a rotation part 11 and a fixation-side coupling 20 fixed to a fixing base 8, both arranged coaxially with each other, a joint coupling 22 opposed to both of the rotation-side and fixation-side couplings 21, 20 in an engageable manner, arranged to be movable between a clamp position, where the rotation-side coupling 21 in engagement is clamped at a rotating angle position and an unclamp

position, where it is unclamped, and rollers 40, 41 arranged in upper and lower lines between the rotation-side coupling 21 and the fixation-side coupling 20, the rotation-side coupling 21 being supported by the fixation-side coupling 20 via the roller 40, 41 in lines.

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